

ABSTRACT OF THE DISCLOSURE

An apparatus for color compensation includes a chroma deflection generation unit to calculate a chroma deflection based on an input chroma signal and a predetermined first reference value, a hue deflection generation unit to calculate a hue deflection based on an input hue signal and a predetermined second reference value, a chroma deflection function generation unit to calculate a luminance deflection based on an input luminance signal and a predetermined third value, and a tone mapping function generation unit to output the chroma signal, hue signal and luminance signal after individually compensating these signals based on the chroma deflection, hue deflection and luminance deflection. According to the present invention, when color is distorted due to transmission flaws, the color can be compensated to be an appropriate color.